

IN THE CLAIMS:

Please amend the claims as follows.

1-3. (Cancelled).

4. (Previously Presented): An active matrix organic electro luminescence display panel device, comprising:

a substrate;

at least one low refractive thin film formed directly on the substrate;

an organic electro luminescence diode formed on the low refractive thin film to selectively emit light;

a switching device formed on the low refractive thin film for selectively driving the organic electro luminescence diode; and

a capacitor for sustaining a light emission of the organic electro luminescence diode.

5. (Original): The device according to claim 4, wherein the organic electro luminescence diode includes:

a first electrode formed of transparent conductive material on the low refractive thin film and connected to the switching device;

an organic light emission layer including an organic luminous material on the first electrode; and

a second electrode including a metal material to cover the organic light emission layer, the switching device, and the capacitor.

6. (Original): The device according to claim 5, wherein the switching device includes:

- a buffer layer formed on the substrate;
- a semiconductor layer formed at a predetermined area on the buffer layer;
- a gate insulating film and a gate electrode sequentially deposited on the semiconductor layer;
- a drain electrode connected to the semiconductor layer and connected to the first electrode of the organic electro luminescence diode; and
- a source electrode connected to the semiconductor layer and connected to the capacitor.

7. (Original): The device according to claim 6, wherein the capacitor includes:

- a capacitor electrode formed on the buffer layer and separated from the semiconductor layer with a gap therebetween;
- a first insulating layer covering the capacitor electrode; and
- a power electrode overlapping the capacitor electrode on the first insulating layer and connected to the source electrode.

8. (Original): The device according to claim 6, further comprising:

a second insulating layer covering the switching device and the capacitor, wherein the second insulating layer includes a contact hole and a portion of the first electrode is within the contact hole; and

a third insulating layer formed between the second insulating layer and the second electrode.

9. (Original): The device according to claim 5, further comprising at least one fourth insulating layer formed between the low refractive thin film and the first electrode.

10. (Currently Amended): The device according to claim 14 ~~[[1]]~~, further comprising a capacitor formed between the substrate and the low refractive thin film to sustain a light emission of the organic electro luminescence diode, ~~[[a]]~~ the first insulating layer covering the capacitor.

11. (Original): The device according to claim 10, wherein the organic electro luminescence diode includes:

a first electrode formed of transparent conductive material on the low refractive thin film, wherein the low refractive thin film includes a contact hole and a portion of the first electrode is within the contact hole contacting the switching device;

an organic light emission layer formed of organic luminous material on the first electrode;
and

a second electrode formed of metal material to cover the organic light emission layer, the switching device and the capacitor.

12. (Original): The device according to claim 11, wherein the switching device includes:

- a buffer layer formed on the substrate;
- a semiconductor layer formed at a predetermined area on the buffer layer;
- a gate insulating film and a gate electrode sequentially deposited on the semiconductor layer;
- a drain electrode connected to the semiconductor layer and connected to the first electrode of the organic electro luminescence diode; and
- a source electrode connected to the semiconductor layer and connected to the capacitor.

13. (Previously Presented): The device according to claim 12, wherein the capacitor includes:

- a capacitor electrode formed on the buffer layer and separated from the semiconductor layer with a gap therebetween;
- a second insulating layer covering the capacitor electrode; and
- a power electrode overlapping the capacitor electrode on the second insulating layer and connected to the source electrode.

14. (Previously Presented): An active matrix organic electro luminescence display panel device, comprising:

a substrate;

at least one low refractive thin film formed on the substrate;

an organic electro luminescence diode formed on the low refractive thin film to selectively emit light;

a switching device formed between the substrate and the low refractive thin film for selectively driving the organic electro luminescence diode; and

a first insulating layer formed between the substrate and the low refractive thin film to cover the switching device,

wherein a refractive rate (n) of the low refractive thin film is less than or equal to 1.5.

15-36. (Cancelled).